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# Virginia Respiratory Disease and Monkeypox Data Update

December 1, 2022

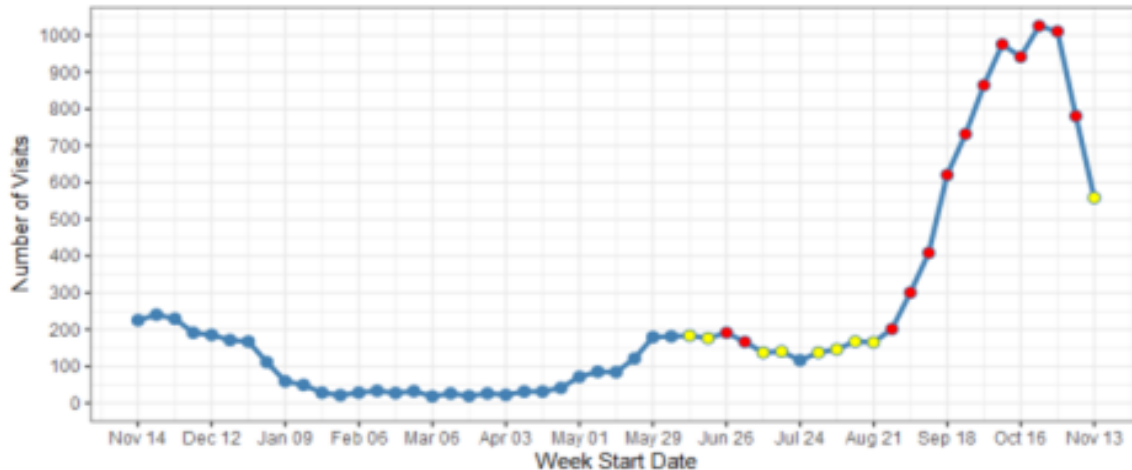


# Virginia: Respiratory Disease Syndromic Surveillance

## \*Diagnosed Respiratory Syncytial Virus (RSV)

10/30 – 11/05 (MMWR Week 44)	11/06 - 11/12 (MMWR Week 45)	11/13 - 11/19 (MMWR Week 46)
959 visits	780 visits	<b>558 (-28%)</b>
Data is from the week of Nov. 13 - 19, 2022. Percent change is from week prior		
* RSV - ED and urgent care visits that include RSV in the discharge diagnosis (not necessarily confirmed cases)		

### Weekly ED and Urgent Care Visits with Diagnosed RSV 11/14/21 – 11/19/22



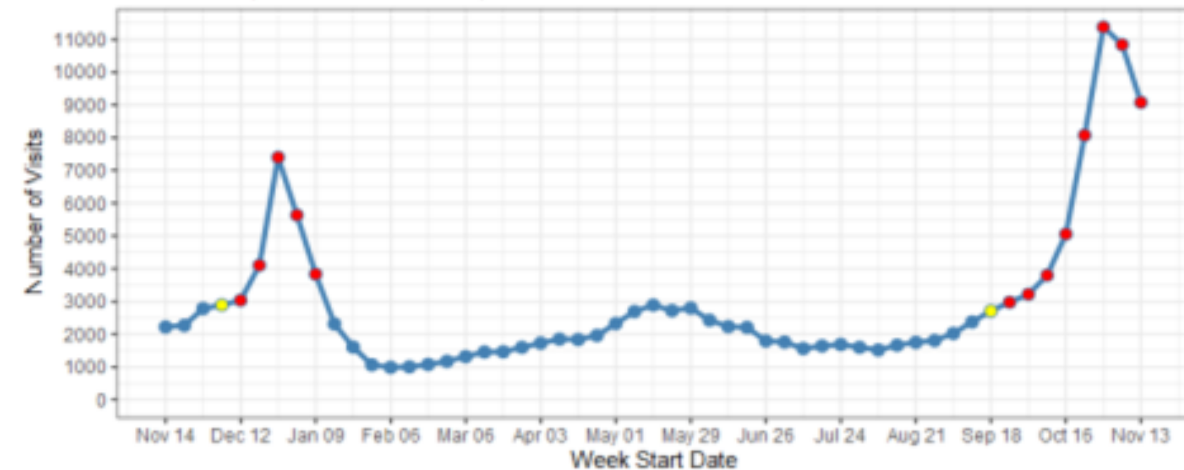
- Nationally, RSV hospitalization rates decreased from 3.5 to 2.9 per 100k, during the week ending 11/19.

Source:  
VDH Weekly Respiratory Disease Surveillance Report. Percentage change is calculated off prior week's visits. Data are preliminary and subject to change.  
RSV Net: <https://www.cdc.gov/rsv/research/rsv-net/dashboard.html>

## \*Influenza-Like Illness (Excluding Diagnosed COVID-19) ED and Urgent Care Visits

10/30 – 11/05 (MMWR Week 44)	11/06 - 11/12 (MMWR Week 45)	11/13 - 11/19 (MMWR Week 46)
11,362 visits	10,840 visits	<b>9,079 (-16%)</b>
Data is from the week of Nov. 13 - 19, 2022. Percent change is from week prior		
* ILI - ED and urgent care visits with a chief complaint of 'flu' or fever + sore throat/cough. <b>Visits with diagnosed COVID-19 are excluded.</b>		

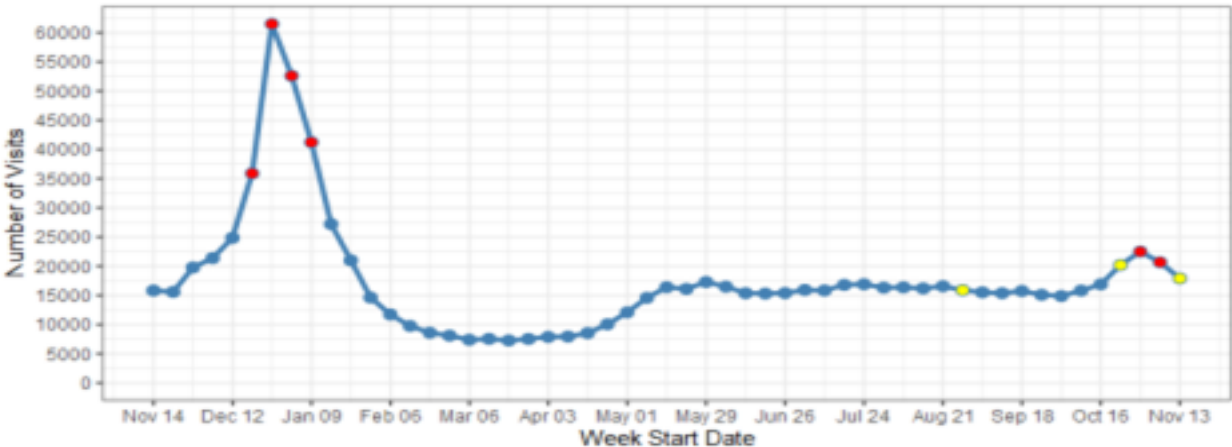
### Weekly ED and Urgent Care Visits for ILI Excluding Diagnosed COVID-19 11/14/21 – 11/19/22



- Virginia reported 8% of all ED and urgent care visits were for ILI, during the week ending 11/19.
- Largest proportion of ILI visits were seen in the 0-4 years of age group with 21.1% of all visits

*COVID-Like Illness ED and Urgent Care Visits		
10/30 – 11/05 (MMWR Week 44)	11/06 - 11/12 (MMWR Week 45)	11/13 - 11/19 (MMWR Week 46)
22,403	20,667	17,901 (-16%)
Data is from the week of Nov 13. 2022 – Nov. 19, 2022. Percent change is from week prior		
*CLI - ED visits noting symptoms of fever + respiratory complaint (e.g. fever with cough, shortness of breath, or difficulty breathing), loss of taste or smell, those with a coronavirus or severe respiratory diagnosis, or visits that mention COVID-19 as the reason for visit.		

Weekly ED and Urgent Care Visits for COVID-Like Illness, VA, 11/14/21 - 11/19/22

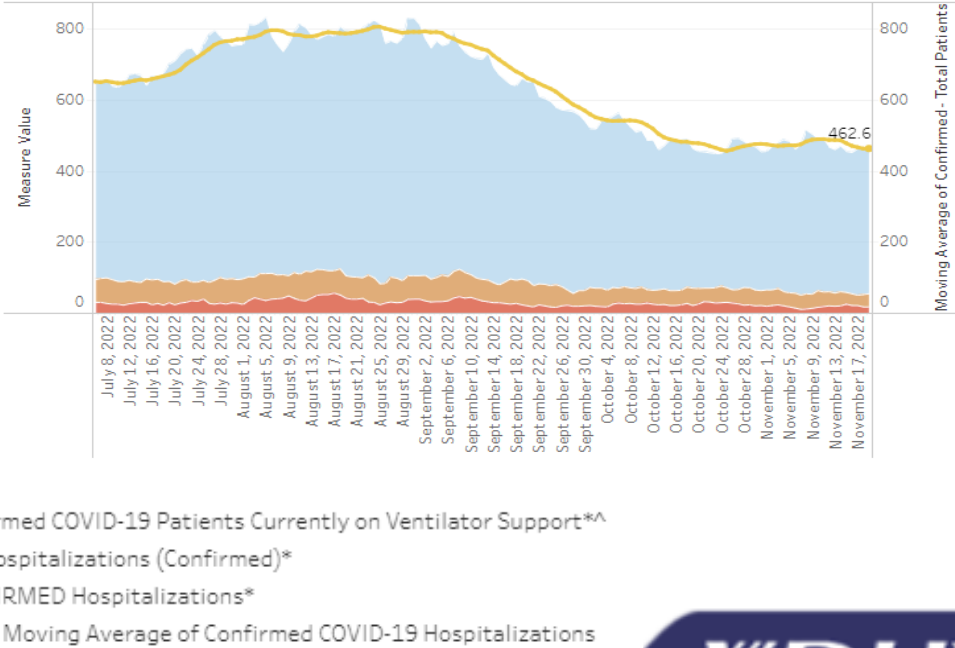


\*Source: [CDC COVID Data Tracker](#), [VHHA Hospitalizations – Coronavirus \(virginia.gov\)](#), [VDH Weekly Respiratory Disease Surveillance Report](#). Percentage change is calculated off updated case numbers from week prior. \*Data comparisons: Wednesday-Wednesday

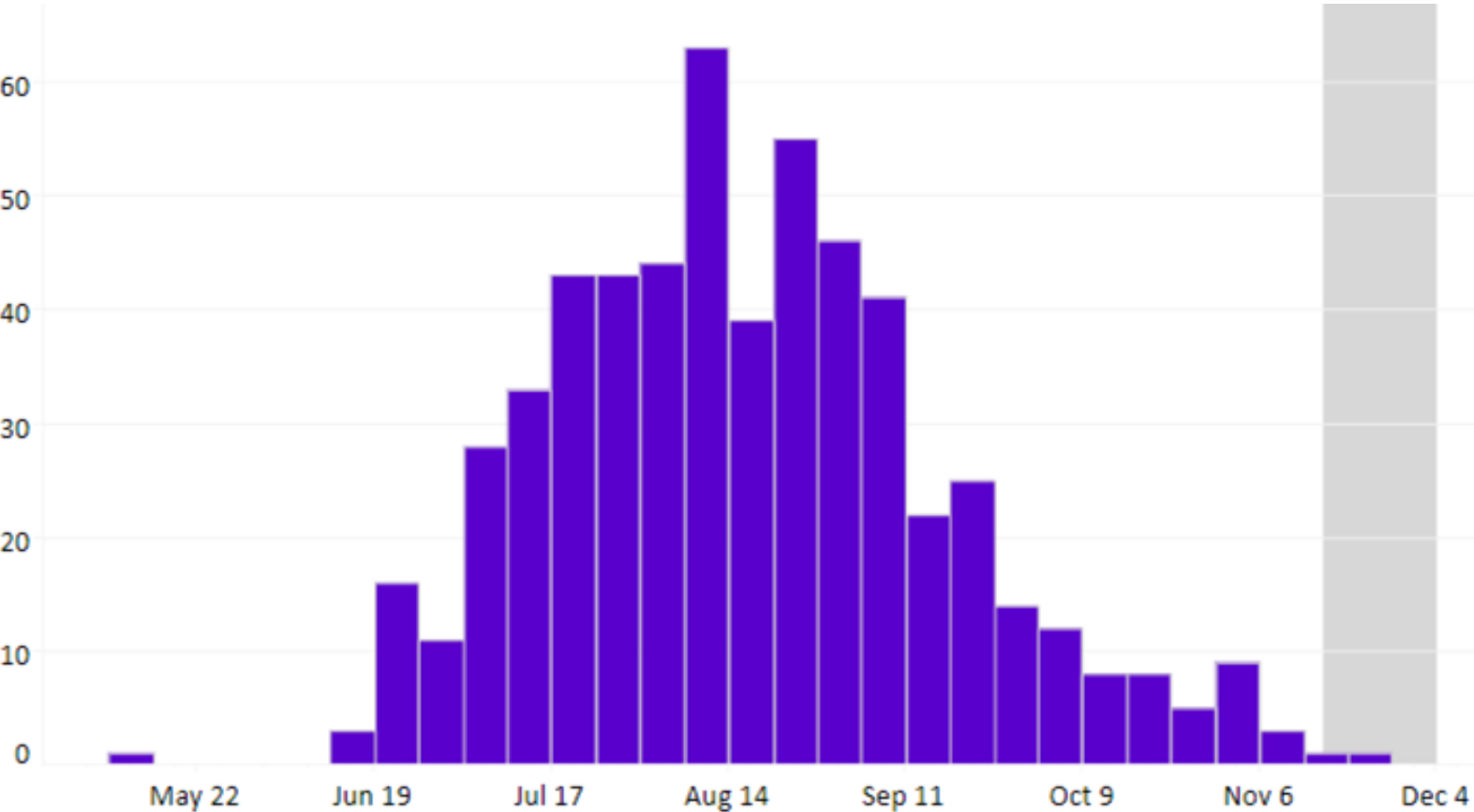
For the week ending Nov 19, 2022, MMWR week 46  
\* Compared to last week:

- Weekly **case rate decreased 14%** to 76.5 per 100K
- 7-day MA of **hospitalizations remained stable (<5%)** at 470 per day
- Weekly **deaths remained stable** at 32 deaths

COVID-19 Hospitalization Trends  
Virginia, July 2022 – November 2022



Epi Curve of Monkeypox Cases (5/2022 – 11/2022)



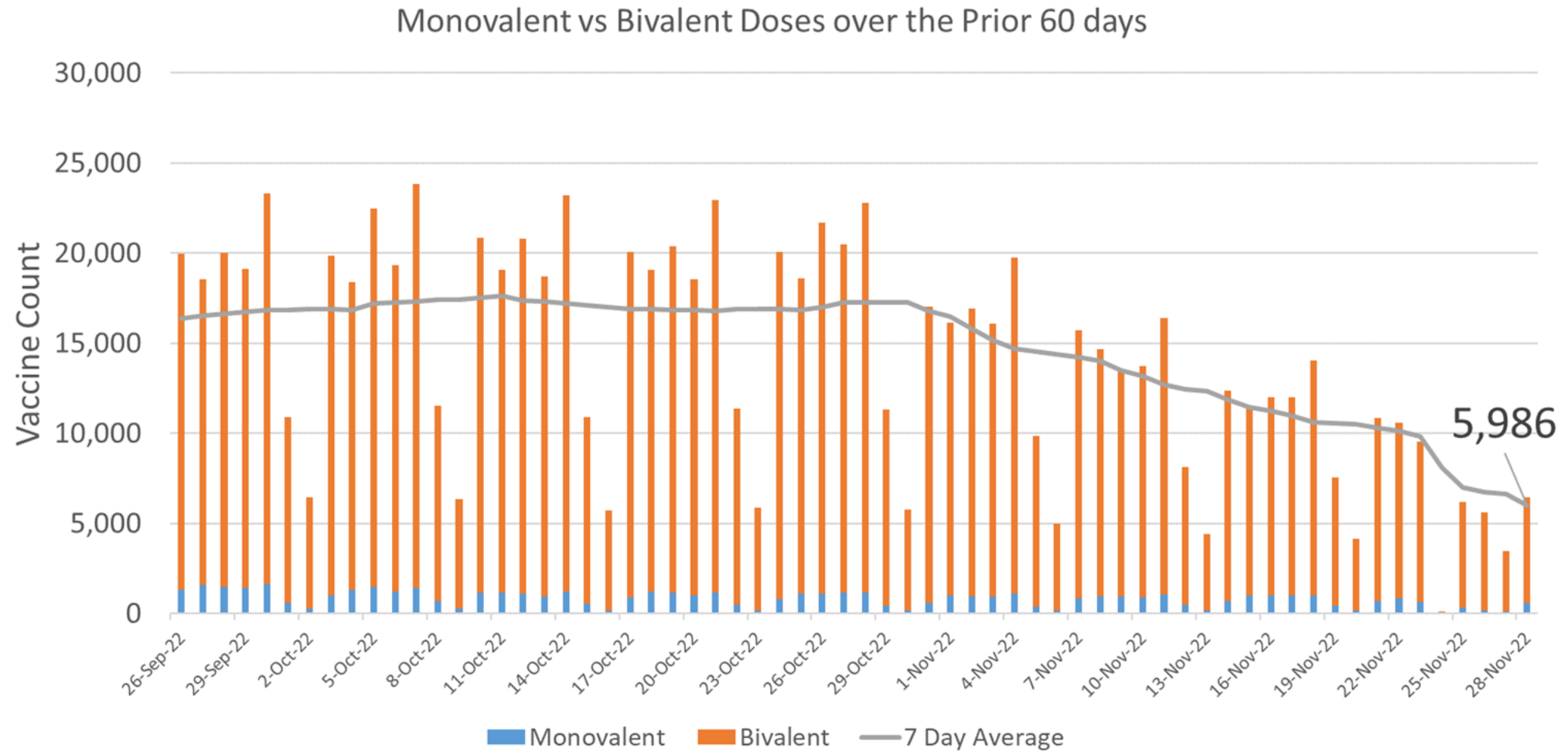
Total Cases	554
Total Hospitalizations	24

Monkeypox Cases By Age and Sex (as of 11/28)

Age Group	Cases
0-9 Years	0
10-14 Years	1
15-19 Years	14
20-29 Years	203
30-39 Years	219
40-49 Years	80
50-59 Years	32
60-69 Years	3
70+ Years	2
Sex	
Female	30
Male	524

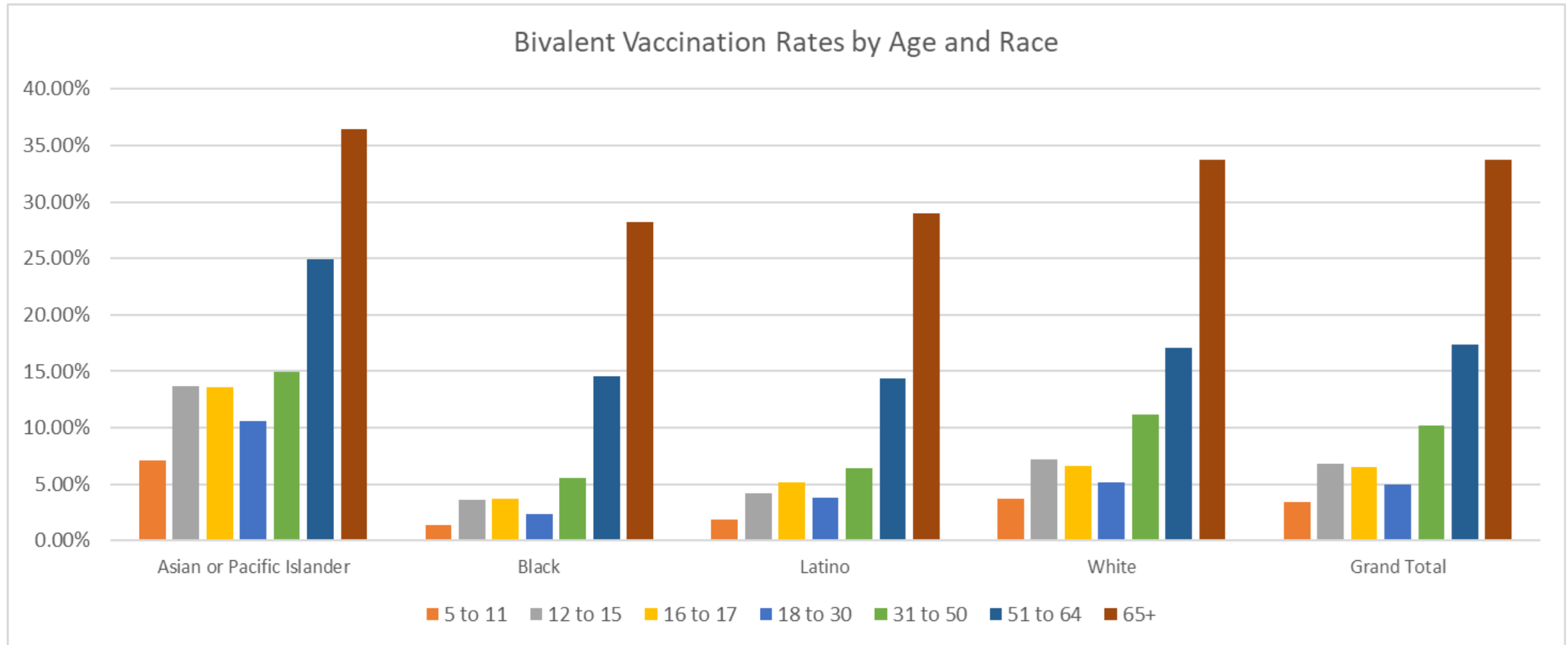
## Virginia: Monovalent vs Bivalent Vaccination over the prior 60 days

- There have been 1,113,672 Bivalent Covid-19 Vaccine Doses Administered so far
- 93.8% of doses have been Bivalent so far in the month of November



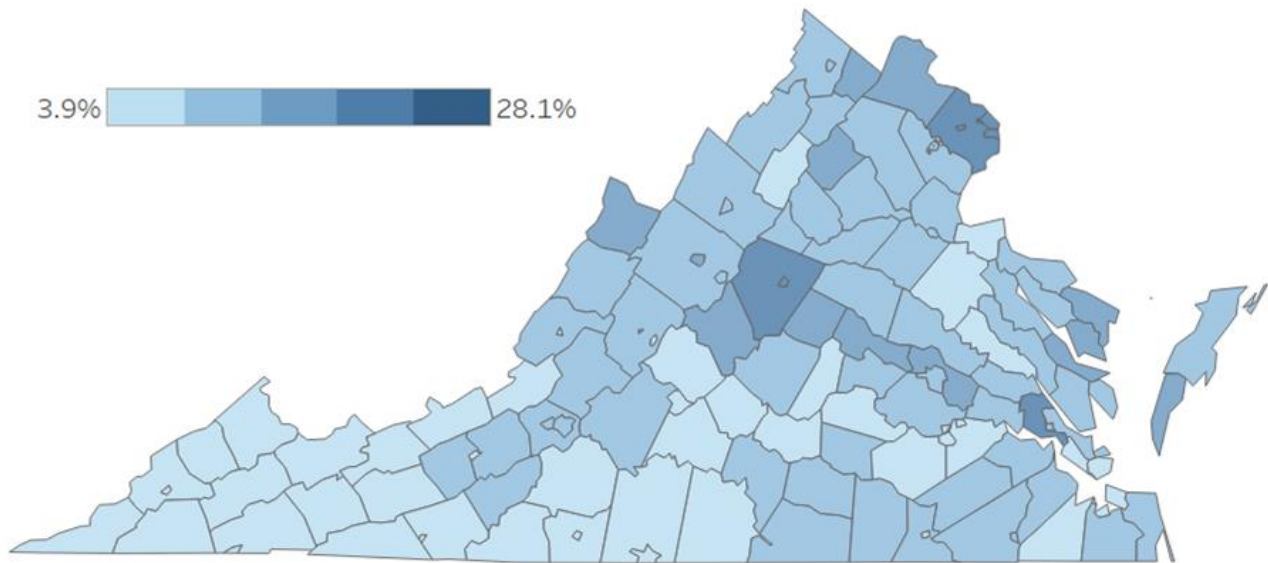
## Virginia: Bivalent Vaccination Uptake by Race/Ethnicity and Age

- 34% of the total 65+ population has received a bivalent booster, outpacing 2<sup>nd</sup> booster uptake at a similar stage
- 42% of bivalent vaccines has gone to 65+, as this age group is far outpacing other ages for uptake



# Virginia: Vaccination across the Commonwealth by Geography

## Percent of the Total Population with Bivalent Booster by Locality

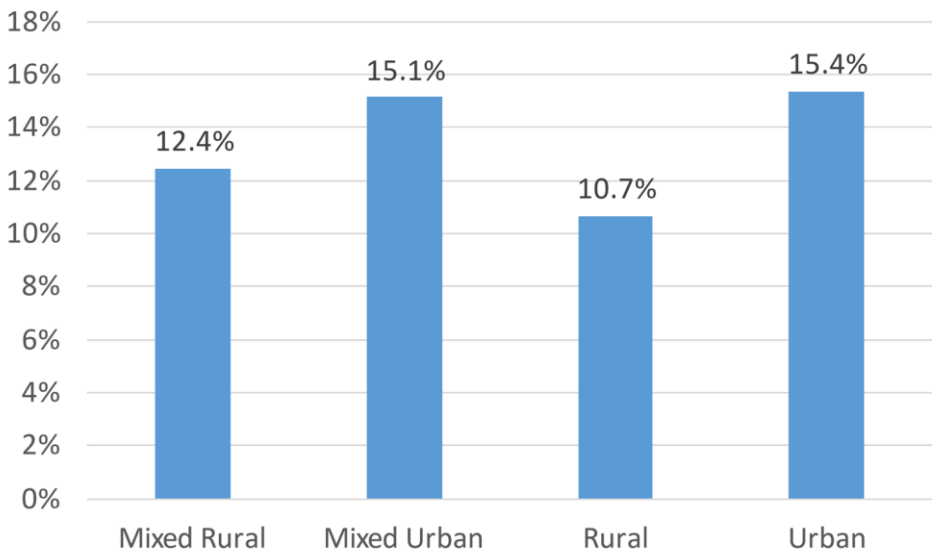


- 73.5% of the Total Population is Fully Vaccinated
- 13.0% of the Total Population has a Bivalent Booster
- 23% of the Eligible Population has a Bivalent Booster
- Virginia is 13<sup>th</sup> in the nation in Bivalent Booster uptake

## Vaccination Rates by Region

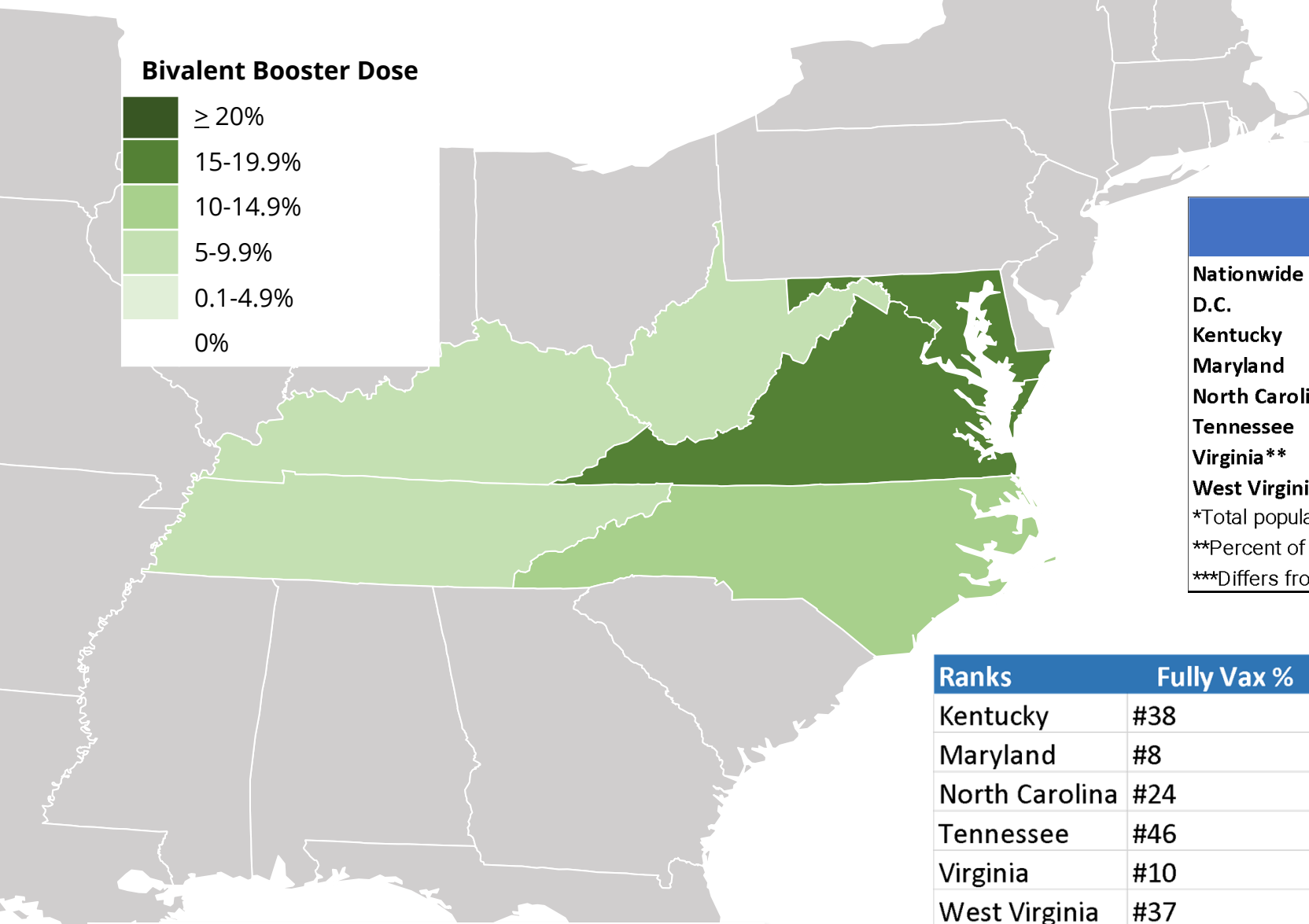
Health Region	Fully Vaccinated	Change
Central	64.5%	0.0%
Eastern	60.5%	0.0%
Northern	75.9%	0.0%
Northwest	62.1%	0.0%
Southwest	54.7%	0.0%

## Bivalent Uptake by Urban / Rural



Federal doses not included in this number  
Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](#)

# Virginia and Neighbors: Vaccination Rates



	One Dose*	Fully Vax*	Bivalent Booster**
Nationwide	80.7%	68.8%	12.1%
D.C.	95.0%	84.5%	24.3%
Kentucky	68.4%	59.2%	9.7%
Maryland	90.8%	79.0%	18.2%
North Carolina	90.8%	66.2%	11.3%
Tennessee	64.1%	56.0%	8.0%
Virginia**	90.1%	76.0%	15.5%
West Virginia	67.1%	59.4%	9.1%

\*Total population, includes out-of-state vaccinations  
 \*\*Percent of fully vaccinated people with a booster dose  
 \*\*\*Differs from previous slide because all vaccination sources are included

Ranks	Fully Vax %	0-4 First Dose %	5-11 First Dose %	Bivalent Booster %
Kentucky	#38	#36	#40	#35
Maryland	#8	#5	#5	#8
North Carolina	#24	#26	#24	#28
Tennessee	#46	#41	#46	#43
Virginia	#10	#11	#7	#13
West Virginia	#37	#46	#45	#37

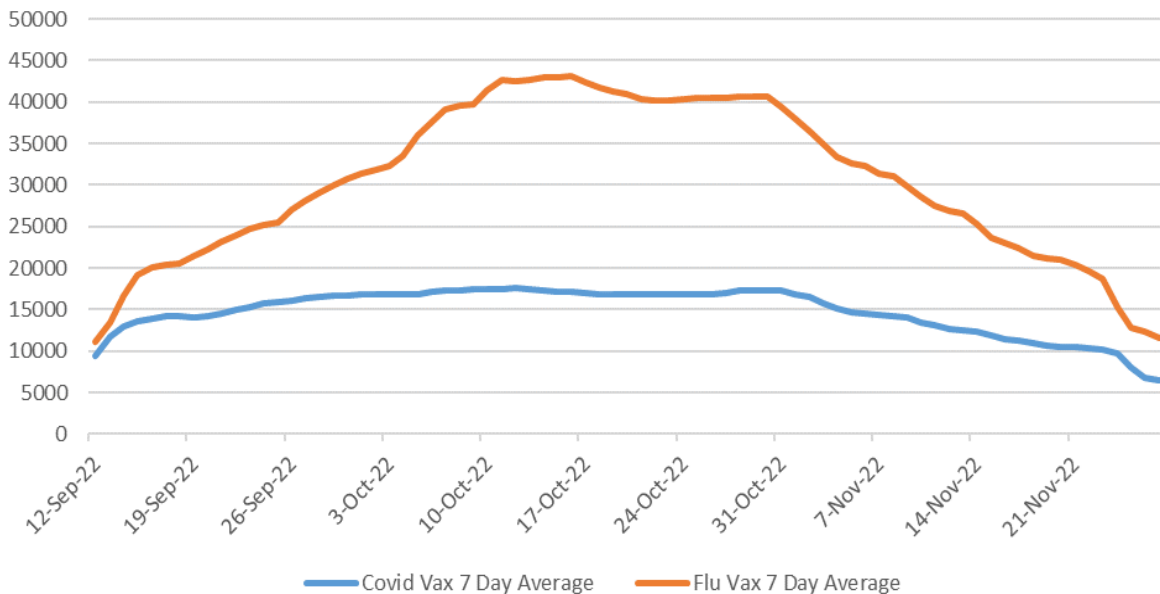
Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



# Virginia: Flu Vaccine Update

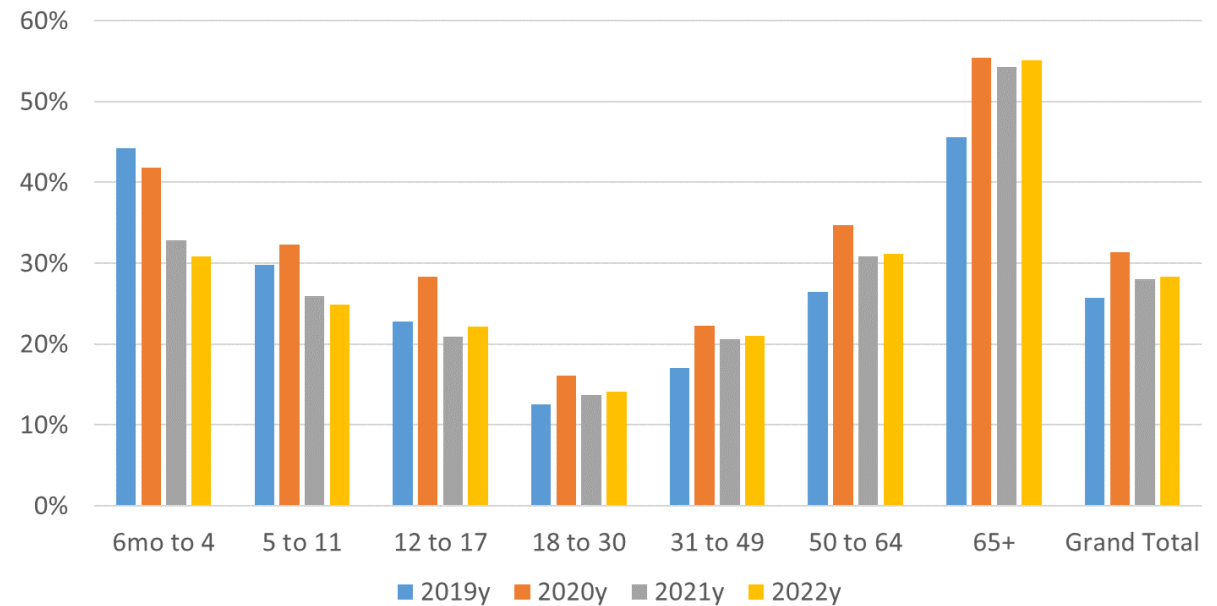
- Flu Vaccinations have roughly followed a similar pattern to Covid Vaccinations since September 1<sup>st</sup>, with a noticeable decline over the Thanksgiving holiday
- There have been 2.42 million Flu Vaccine doses administered (28% of the Total Population) since July 1st, 2022, which is very similar to the prior Flu season and higher than pre-pandemic.
- Children ages 0-11 are trailing previous years vaccination rates.

7 day Average of Flu Vax vs Covid Vax



7 Day Average - Last 7 days of daily doses given, adds them and divided by 7.

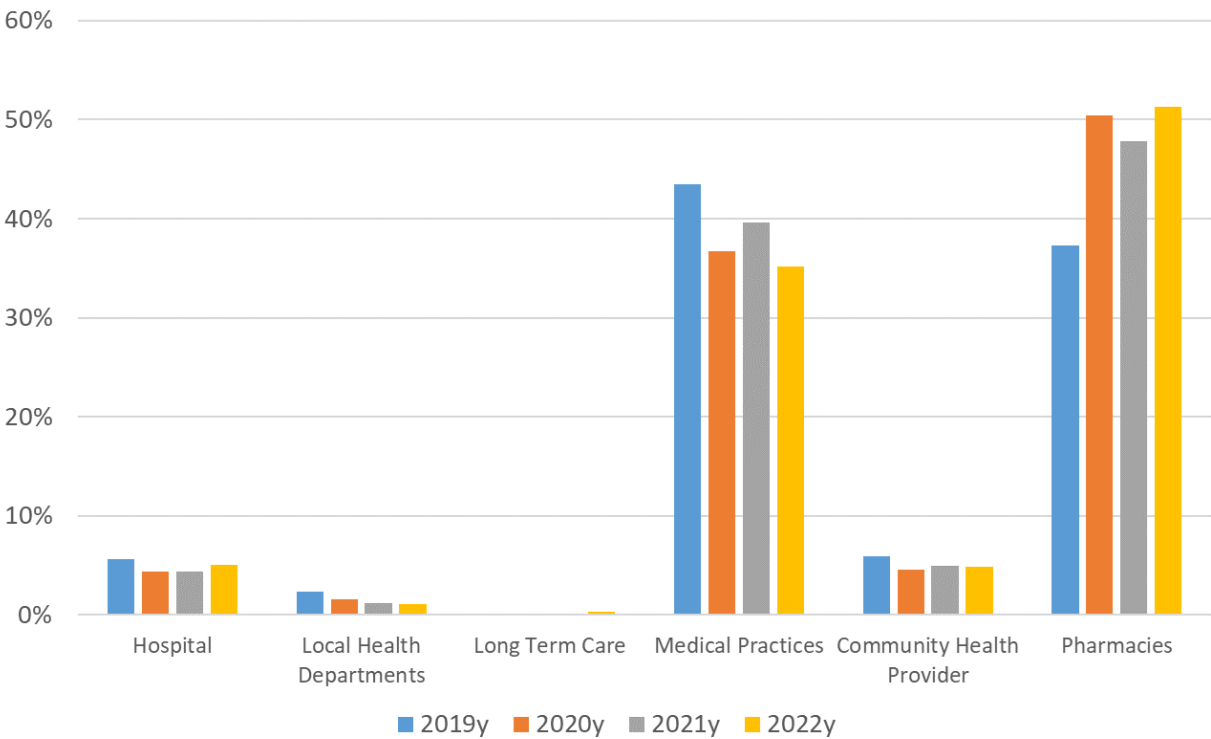
% of Population that Received a Flu Vaccine from July 1 to Nov 27



# Virginia: Flu Vaccine Uptake by Provider Type

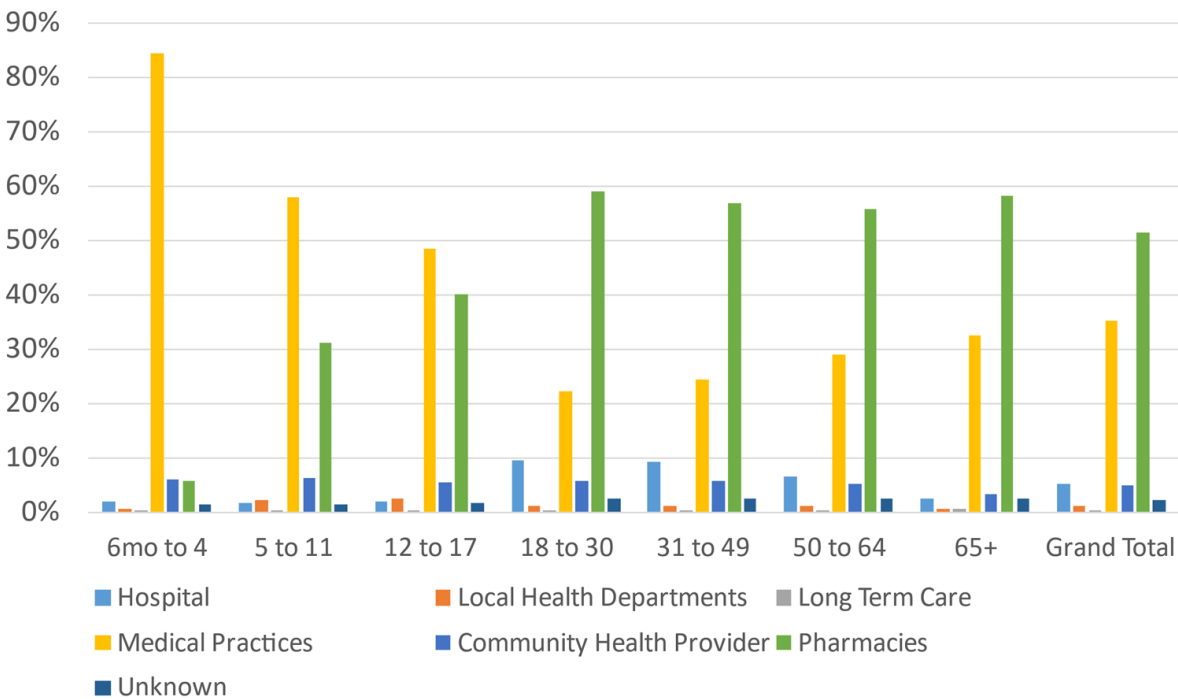
- Of the known data, pharmacies are administering a higher percent of vaccinations in recent years
- A vast majority of the Vaccinations in younger children are performed in Medical Practices

Flu Vaccine Uptake by Provider Type by Year



\*Flu year is from July 1<sup>st</sup> through Nov 27<sup>th</sup> of each year for comparison purpose

2022 Flu Vaccine Uptake by Provider Type by Age



\*2.9% of the data is unknown

# Virginia: JYNNEOS Administration Demographics

For Official Use Only

Updated  
11/30/22

- Vaccinations have been slowing, with 149 doses administered last week out of the total 20,708 doses since July 1st.
- 89.6% of Vaccines Administered have been to Males
- 60.2% of Vaccines Administered have in the Northern Region
- The White Population accounts for 57.1% of Vaccinations by Race where data is available

